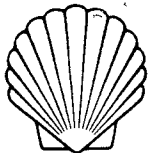
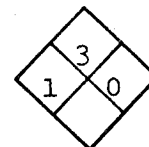


JAN 15 1982

DPM 535

HAZARD
RATINGADAPTED FROM USDL
FORM NO L5B-005-4-MAY 1969

SHELL OIL COMPANY
SHELL CHEMICAL COMPANY
SHELL DEVELOPMENT COMPANY
SHELL PIPE LINE CORPORATION



MATERIAL SAFETY DATA SHEET

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act of 1970 and shall not be used for any other purpose. Use or dissemination of all or any part of this information for any other purpose may result in a violation of law or constitute grounds for legal action.

SECTION I	
MANUFACTURER'S NAME Shell Chemical Company	EMERGENCY TELEPHONE NO. 713-473-9461
ADDRESS (Number, Street, City, State, and ZIP Code) One Shell Plaza, P. O. Box 2463, Houston, Texas 77001	
CHEMICAL NAME AND SYNONYMS Methyl Ethyl Ketone/ Butanone-2 BUTANONE-2	TRADE NAME
CHEMICAL FAMILY Ketones	FORMULA $\text{CH}_3\text{CO C}_2\text{H}_5$

SECTION II HAZARDOUS INGREDIENTS*						
COMPOSITION	%	SPECIES	LD ₅₀		LC ₅₀	
			ORAL	DERMAL	CONCENTRATION	HOURS
PIGMENTS						
CATALYST						
VEHICLE						
SOLVENTS	100	Rat	3.3 gm/kg			
ADDITIVES		Rabbit		>8 ml/kg		
OTHERS		Rat			>2,000 PPM	4

SECTION III PHYSICAL DATA			
BOILING POINT (°F)	176	SPECIFIC GRAVITY (H ₂ O=1)	0.80
VAPOR PRESSURE (mmHg) @ 68°F	70	PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)	2.5	EVAPORATION RATE (NBAC =1)	3.8
SOLUBILITY IN WATER	Appreciable		
APPEARANCE AND ODOR	Colorless, mobile liquid. Pungent odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used)	20°F TCC	FLAMMABLE LIMITS	
		LeI	UeI
		1.8	11.5
EXTINGUISHING MEDIA	Alcohol foam, CO ₂ , dry chemical		
SPECIAL FIRE FIGHTING PROCEDURES	Handle as very flammable liquid.		
UNUSUAL FIRE AND EXPLOSION HAZARDS			

*Modified by Shell Oil Company

MSDS-539
BOE-C6-0209129

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 200 PPM

EFFECTS OF OVEREXPOSURE Dizziness, headache, nausea, lack of coordination.

EMERGENCY AND FIRST AID PROCEDURES Remove victim to fresh air. Give artificial respiration if breathing has stopped.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID Sparks and open flame.
	STABLE	X	

INCOMPATIBILITY (Materials to avoid) Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Flush with copious amounts of water. Avoid flushing into confined areas. Wear respiratory protection.

WASTE DISPOSAL METHOD Flush with water, controlled burning.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Air pack or organic canister

VENTILATION	LOCAL EXHAUST As required	SPECIAL
	MECHANICAL (General)	OTHER

PROTECTIVE GLOVES Rubber EYE PROTECTION Goggles to prevent splashing in eyes.

OTHER PROTECTIVE EQUIPMENT

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Very flammable. Prevent skin contact to avoid defatting action.

OTHER PRECAUTIONS Use normal good personal hygiene.

NAME D. M. Sheets

TITLE Supervisor-Product Development-Resins

COMPANY Shell Chemical Company

SIGNATURE *D. M. Sheets*

DATE October 1971

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

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